71838 Kai's Motorcycle Speed Race
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Kai’s Motorcycle Speed Race (71838) playset lets boys and girls aged 6 and up recreate fast-paced scenes from season 3 of the NINJAGO® Dragons Rising TV show. The action-packed motorcycle toy battle set features 2 ninja bike toys with moving wheels: Kai’s race bike adorned with 2 daggers, and the villainous Spectral Dragonian Scout’s demon bike.

The ninja vehicle set includes 2 NINJAGO minifigures to ride the bikes: Kai armed with a translucent reveal blade accessory and 2 golden katana sword accessories, and a Spectral Dragonian Scout with a sword accessory, so kids can enjoy great imaginative play on their own or with their friends as they stage good vs. evil battles.

Motorcycle toy for kids – Boys and girls aged 6 and up can play out race and battle scenes from season 3 of the NINJAGO® Dragons Rising TV show with Kai’s Motorcycle Speed Race playset.

2 ninja bike toys – Action-packed battle set features 2 motorcycle toys with moving wheels: Kai’s race bike adorned with 2 daggers and the Spectral Dragonian Scout’s demon bike.

2 NINJAGO® minifigures – Role-play set comes with ninja warrior Kai and a villainous Spectral Dragonian Scout to ride the bike toys.

Ninja weapons – Kai is armed with a translucent reveal blade accessory and 2 golden katana sword accessories, and the Spectral Dragonian Scout has a sword accessory.

Measurements – 79-piece LEGO® building set for kids includes Kai’s ninja bike toy, which measures over 1.5 in. (4 cm) high, 3.5 in. (9 cm) long and 1 in. (3 cm) wide.

The front of the box shows Kai on a motorcycle chasing after a dragonian on his motorcycle!

The back of the box shows Kai and the dragonian jumping off their motorcycles dueling with their swords!

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

The build is 79 pieces in total and is for ages 6+.

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/71838) 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 1 bag 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, Dragonian, and Motorcycles
Group 1 - Pages 4-5.
Group 2 - Pages 6-7.
Group 3 - Steps 1-5.
Group 4 - Steps 6-8.
Group 5 - Steps 9-21.
Group 6 - Steps 1-11.
Group 7 - Steps 12-16.

Let’s get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Kai

Sub-build 1. Locate a red pair of legs printed with gold armor and a dark red belt, 1 torso printed with a red gee with orange fire, 1 gold and red shoulder armor, 1 yellow head printed with eyes, lips, and a

bandage, 1 brown hair with a red headband, 2 gold katana, and 1 larger transparent red sword with a gold fiery handle. Assemble your minifigure and make sure the mask of the neck armor faces the front. Now attach the larger sword to his hand, then attach the 2 gold swords to the sword holder in the back of the minifigure by inserting them in from the top. Now put him away while we make a dragonion.

Group 2 - Dragonian

Sub-build 2.1. Locate a light blue pair of legs printed with light grey armor, 1 light blue torso printed with a light grey wolf, 1 dark blue shoulder armor, 1 light blue head printed with red eyes, teeth, and a blue face. Assemble your minifigure then put him in front of you. Make sure the rounded vertical part of the neck armor is in the back.

Sub-build 2.2. Vertically place a dark grey wolf mask on top of your minifigure so the nose faces the front. Now insert 2 red fangs into the 2 back-facing holes of the mask.

Sub-build 2.3. Let’s make a part! Let’s make a sword! Attach a light blue sword blade to a light grey hilt. Now attach your sword to your minifigure! Now put him away while we make a motorcycle!

Group 3 - Motorcycle

1. Place a black 2x2 plate in front of you. Then vertically place a gold 1x2 plate with 2 bars on the right column so the bars face the right.

2. Place a black 1x2 plate with a 1x2 inverted sloped curved brick on the left column so it slopes and overhangs to the left.

3. Horizontally place a light grey 1x2 plate with 2 upright side studs on the front right corner so the side studs face the front. Then repeat symmetrically to the back.

4. Horizontally place a dark grey 2x2 plate with 2 thin lift arms with pinholes on the 2 leftmost columns so the pinholes overhang to the left. Then horizontally place another 1 to the right of the ppp so 1 column overhangs to the right and the pinholes overhang to the right.

5. Place a black 2x2 plate on top so it is centered horizontally.

Group 4 - Motorcycle

6. Vertically place a red 1x2 jumper plate on the leftmost column. Then place a red 2x2 plate to the right of the ppp.

7. Horizontally place a black 1x2 plate with 2 side studs hanging down on the front row so it is centered horizontally. Then repeat symmetrically to the back.

8. Vertically place a black 1x1 plate with 2 handles on the leftmost column so the handles face the front and back.

Group 5 - Motorcycle

9. Vertically place 2 light orange 1x2 jumper plates, 1 to the right of the other, to the right of the ppp.

10. Place a light orange 1x1 plate with an upright side stud on the leftmost column so the side stud faces the left. Now place a transparent aqua 1x1 slope tile upright on the left-facing side stud so it slopes down.

11. Horizontally place a red 1x2 plate with a stud and a clip on the 2 leftmost columns so the clip is on the left.

12. Horizontally place a red 1x2 sloped curved tile on top of the ppp so it slopes to the right onto the 1x2 jumper plate.

13. Vertically place black handle bars on top of the top-facing clip so the handles face the front right and back right.

14. Vertically place a red 1x2 sloped curved tile with a wing upright on the 2 rightmost front-facing side studs so the wing faces the right.

15. Vertically place a red 1x2 plate with a stud and a clip upright to the left of the ppp so the clip is on the bottom.

16. Place a gold 1x1 round plate upright on the front-facing side stud. Then horizontally attach a gold sai to the front-facing clip so it faces the left. This is a 3 pronged knife!

17.. Let’s make a part! Insert a black wheel into a black tire. Now place it in between the 2 rightmost pinholes so the hole of the wheel is aligned with them. Now insert a light grey 3L pin with a stop into the rightmost front-facing pinhole so it goes all the way in.

18. Repeat the previous step with the 2 leftmost pinholes.

19. Rotate your bike 180 degrees. Now vertically place a red 1x2 sloped curved tile with a wing upright on the 2 leftmost front-facing side studs so the wing faces the left.

20. Vertically place a red 1x2 plate with a stud and a clip upright to the right of the ppp so the clip is on the bottom.

21. Place a gold 1x1 round plate upright on the front-facing side stud. Then horizontally attach a gold sai to the front-facing clip so it faces the right. This is a 3 pronged knife! Now put away your bike while we make another!

Group 6 - Motorcycle

1. Place a black 2x2 plate in front of you.

2. Horizontally place a light grey 1x2 plate with 2 upright side studs on the back row so the side studs face the back. Then repeat symmetrically to the front.

3. Place a dark grey 2x2 plate with 2 liftarms with pinholes on the left column so it overhangs 1 column to the left and the pinholes are on the left. Then repeat symmetrically to the right.

4. Place a black 2x2 plate on top so it is centered horizontally.

5. Horizontally place a dark red 2x3 plate on the 3 leftmost columns.

6. Vertically place a light blue 1x2 plate with teeth on the leftmost column so the teeth face the left. Then horizontally place a black 1x2 plate with 2 side studs hanging down on the front row to the right of the ppp so the side studs face the front. Then repeat symmetrically to the back.

7. Vertically place a light blue 1x2 jumper plate with a round side on the leftmost column so the round side faces the left. Then vertically place a light blue 1x2 jumper plate to the right of the ppp. Now vertically place a light blue 1x2 jumper plate with a round side to the right of the ppp so the round side faces the right.

8. Horizontally place a black 1x2 plate with a stud and a clip on the 2 leftmost columns so the clip is on the left.

9. Horizontally place a black 1x2 sloped curved tile on the right column of the ppp so it slopes to the right.

10. Vertically place a black pair of handlebars on the top-facing clip so the handles face the front right and back right.

11. Vertically place a black 1x2 ingot tile upright on the left column of front-facing side studs. Then vertically place a black 1x2 plate with a stud and a clip upright to the right of the ppp so the clip is on the bottom.

Group 7 - Motorcycle

12.. Let's make a part! Insert a red wheel into a black tire. Now place it in between the 2 rightmost pinholes so the hole of the wheel is aligned with them. Now insert a light grey 3L pin with a stop into the rightmost front-facing pinhole so it goes all the way in.

13. Repeat the previous step with the 2 leftmost pinholes.

14. Horizontally attach a light blue curved blade to the front-facing clip so the blade faces the right.

15. Rotate your motorcycle 180 degrees. Then vertically place a black 1x2 ingot tile upright on the right column of front-facing side studs. Then vertically place a black 1x2 plate with a stud and a clip upright to the left of the ppp so the clip is on the bottom.

16. Horizontally attach a light blue curved blade to the front-facing clip so the blade faces the 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!

At the end of the instruction booklets are advertisements for the following 5 LEGO Ninjago Theme kits:

71842 Rontu the Master Dragon

71843 Rogue's Mech Dragon Rider

71845 Lloyd’s Jet Mech

71848 The Temple Bounty

71839 Arin's Spinjitzu Battle Mech