71828 Lloyd's Pull-Back Race Car
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Delight your little ninja with the first-ever NINJAGO® pull-back race car toy! Boys and girls aged 7 and up can recreate superfast action from season 3 of the NINJAGO Dragons Rising TV show with Lloyd's Pull-Back Race Car (71828) by pulling it back, releasing it and watching it speed forward. The sleek race car has 4 tires, a cockpit for a minifigure and is decorated with green lightning blades.

The pretend play building kit comes with 2 NINJAGO minifigures: Lloyd with 2 golden katana sword accessories, and a villainous Dragonian Warrior with a sword accessory for kids to role-play exciting battles. The building set also includes 2 lighting elements to create a small obstacle course for the race car.

Race car toy for pretend play – Boys and girls aged 7 and up can play out superfast action from season 3 of the NINJAGO® Dragons Rising TV show with Lloyd's Pull-Back Race Car.

NINJAGO®'s first ever pull-back car – Kids can make Lloyd's Pull-Back Race Car speed forward by pulling it back and releasing it.

Packed with features – The sleek race car toy has 4 tires and a cockpit and is decorated with green lightning blades. It also comes with 2 lighting elements to set up a small obstacle course.

2 NINJAGO® minifigures – This Building kit includes Lloyd with 2 golden katana sword accessories and a Dragonian Warrior with a sword accessory.

Measurements – This 181-piece LEGO® building set includes a race car toy measuring over 2 in. (5 cm) high, 7.5 in. (19 cm) long and 5 in. (12 cm) wide.

The front of the box shows Lloyd racing his car across a wooden bridge! There is a Dragonian Warrior that came out of nowhere and is trying to attack him!

The back of the box shows the race car parked in the desert! Lloyd is in the air fighting the Dragonian Warrior!

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

The build is 181 pieces in total and is for ages 7+.

Bag 1 includes the pieces for Lloyd and the race car.

Bag 2 includes the pieces for the Dragonian Warrior and 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).

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/71828) 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 and 2, 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 - Lloyd and Race Car
Group 1 - Page 7.
Group 2 - Steps 1-19.
Group 3 - Steps 20-35.
Group 4 - Steps 36-51.
Group 5 - 2 lime green 1x2 plates from Step 52.
Group 6 - Rest of Step 52 and Steps 53-56.

Bag 2 - Dragonian Warrior and Race Car
Group 7 - Page 59.

Group 8 - Steps 57-59.
Group 9 - Steps 60-63.
Group 10 - Steps 64-76.

Let’s get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Lloyd

Sub-build 1. Locate 1 dark green pair of legs printed with green and gold armor, 1 dark green torso printed with green and gold armor, 1 yellow head printed with a black and green eye mask, 1 dark green and green mask, and 2 gold katanas. Assemble your minifigure then attach the katanas to his hands! Make sure the hole of the mask faces the front!

Group 2 - Pull-Back Race Car

1. Place a light grey 4x4 brick with a 2x2 gap and holes in front of you so the side with 3 holes faces the front and back. Then vertically place a dark grey 1x2 grill tile on the front left corner. Then repeat symmetrically to the right.

2. Insert a black 2L pin into the left and right front-facing holes.

3. Rotate your part 90 degrees counterclockwise so the pins face the right. Now horizontally attach a black 4x6 brick with a 2x4 gap and holes to the right-facing pins so it is centered vertically.

4. Insert a black 2L pin into the front and back left-facing holes.

5. Attach the pin hole of a black 1x2 brick with a hole and 2 extended rounded parts with axle holes into the back left-facing hole so the axle holes are on the left and face the front and back. Now insert a blue 2L pin axle into the back-facing axle hole so the pin faces the back. The axle should not be exposed to the front.

6. Repeat the previous step symmetrically to the front.

7. Let’s make a part! Horizontally place a large dark grey pull-back motor in front of you so the set of 5 pin holes are on the bottom and face front and back, and the set of 2 pin holes are on the top right and face the front and back. Then insert the long side of a blue 3L pin into the bottom leftmost front-facing pin hole so it goes all the way through. There should be a pin sticking out the front and back now!

8. Horizontally attach the leftmost pin hole of 2 white 1x5 thin lift arms with 3 pin holes and 2 axle holes to the front-facing pin.

9. Insert a yellow 3L axle into the rightmost axle hole of the 2 ppp so it goes all the way in.

10. Insert 2 black 2L pins into the 2 front-facing pin holes of the 1x5 thin lift arm so the pins face the front.

11. Horizontally attach the 2 leftmost holes of a light grey 5L L-shaped technic liftarm to the front-facing holes so the vertical 3L part is on the right and faces up.

12. Insert a tan 1.5L pin into the front-facing hole of the ppp on the 3rd column from the right so the short pin faces the front.

13. Vertically insert a brown 1x3 rounded part with a pin hole and 2 pins to the rightmost column of the L-shaped lift arm so the pin hole faces the front.

14. Rotate your part 180 degrees. Then horizontally attach the rightmost pin hole of 2 white 1x5 thin lift arms with 3 pin holes and 2 axle holes to the front-facing pin. Make sure to connect the leftmost axle hole with the front-facing axle too!

15. Insert 2 black 2L pins into the 2 front-facing holes of the 1x5 thin liftarms so the pins face the front.

16. Horizontally attach the 2 rightmost holes of a light grey 5L L-shaped technic liftarm to the front-facing holes so the vertical 3L part is on the left and faces up.

17. Insert a tan 1.5L pin into the front-facing hole of the ppp on the 3rd column from the left so the short pin faces the front.

18. Vertically insert a brown 1x3 rounded part with a pin hole and 2 pins to the leftmost column of the L-shaped lift arm so the pin hole faces the front.

19. Bring back your main build and horizontally place the leftmost column of axle holes in between the rightmost axle holes of your part. Now push the front 2L pin axle back so it attaches the main build to your part. Then repeat symmetrically to the back.

Group 3 - Pull-Back Race Car

20. Rotate your build 180 degrees so it is horizontal and the motor is on the right. Then horizontally insert the short side of a blue 3L pin into the front and back left-facing holes.

21. Vertically attach a black 1x6 brick with 5 holes to the left-facing pins so it goes all the way through and it is centered vertically.

22. Vertically attach a black 1x12 brick with 11 holes to the left-facing pins so it is centered vertically.

23. Place a black 2x2 corner tile with a cutoff corner on the 2 leftmost columns of the 3rd row from the front so the cutoff corner faces the back left. Then repeat symmetrically to the back.

24. Horizontally place a lime green 2x3 wedge plate on the 3 leftmost columns behind the front ppp so the angled side faces the front and the short end faces the left. Then repeat symmetrically to the back. Together they should be centered vertically.

25. Insert a tan 1.5L pin into the 3rd front-facing hole from the left so the short pin faces the front. Then repeat symmetrically to the back.

26. Horizontally attach a green 9L thin lift arm with 3 pin holes to the left 2 front-facing pins. Then repeat symmetrically to the back.

27. Horizontally attach the right 2 holes of a green 9L thin lift arm with 3 pin holes to the 2 front-facing pins. Then repeat symmetrically to the back.

28. Insert the pin side of a dark grey 2L pin with a 1L axle into the leftmost front-facing hole of the ppp so the axle faces the front. Then repeat symmetrically to the back.

29. Attach a gold 1x1 cone brick to the front-facing axle of the ppp. Then repeat symmetrically to the back.

30. Horizontally place a light orange 2x8 plate on top, in between the 1x2 grill tiles, so it is centered horizontally between them.

31. Place a dark grey 2x2 plate with 2 side studs in front of the 2nd and 3rd columns from the right of the ppp so the side studs face the front. Then repeat symmetrically to the back.

32. Place a dark grey 2x2 plate with 2 side studs on the front row to the right of the 2x2 plate with 2 side studs so the side studs face the front. It should only connect to 1 stud! Then repeat symmetrically to the back.

33.1. Let’s make a part! Horizontally place a tan 1x4 arch brick in front of you. Then horizontally place 2 light grey 1x2 rounded plates, 1 to the right of the other, on top. Now horizontally place a black 1x2 plate with a rail on top so it is centered horizontally and the rail faces the front.

33.2. Vertically place your part on the rightmost column of the previous 2x2 plates with 2 side studs so it is centered vertically and the rail faces the right.

34. Place a dark grey 4x4 plate with a 2x2 gap to the left so it is centered vertically.

35. Place a dark grey 2x2 brick to the left of the ppp so it is centered vertically. Now horizontally place a green 1x2 inverted half arch brick on the front left corner and back left corner of the 4x4 plate with a 2x2 gap that is to the right so they slope to the right.

Group 4 - Pull-Back Race Car

36. Vertically place a light grey 1x2 steering wheel in between the left column of the 2 ppp so the steering wheel faces the right. Now vertically place a light orange 1x2 slope tile on the rightmost column of the previous 4x4 plate with a 2x2 gap so it is centered vertically and slopes to the left.

37. Horizontally place a dark grey 1x4 brick with 4 side studs on the front row on top of the 2 2x2 plates with 2 side studs so the side studs face the front. Then repeat symmetrically to the back.

38. Vertically place 2 dark green 1x3 inverted half arch bricks, 1 in front of the other, on top of the right column of the 2 ppp so they are centered vertically and slope outwards to the front and back.

39. Vertically place a gold 1x2 sloped curved tile with a wing on top of the 2 ppp so it is centered vertically and the wing faces the right.

40. Place 2 dark grey 1x1 bricks with an axle hole, 1 in front of the other, on the 7th column from the left, so they sit to the left of the 2x2 brick and the axle holes face the front and back.

41. Horizontally place a black 1x2 tile with 2 upright pin holes on top, on the front row on the 4th and 5th columns from the left so the holes face the front and back. Then repeat symmetrically to the back.

42. Stack 2 light grey 1x2 rounded plates so there is no overhang, then vertically place them to the right of the 2 ppp so they are centered vertically. Then vertically place a dark grey 1x2 plate with 1x4 side studs hanging down on top so the side studs face the left.

43.1. Let's make a part! Horizontally place a green 2x3 plate in front of you. Then horizontally place a black 1x2 plate with a hole underneath on the back left corner so the hole overhangs to the left. Then repeat symmetrically to the front. Now place a black 2x2 plate on the 2 rightmost columns.

43.2. Horizontally place your part on the 3 leftmost columns so it is centered vertically and the holes overhang to the left.

44. Horizontally place a lime green 2x3 wedge plate on the 2nd, 3rd, and 4th columns from the left, on top of the front row of the ppp so the angled side overhangs to the front and the short end faces the left. Then repeat symmetrically to the back.

45. Vertically place a transparent light blue 1x2 plate on the leftmost column so it is centered vertically.

46. Horizontally place the leftmost column of a green 2x8 plate on top of the 3rd column from the left so it is centered vertically.

47. Vertically insert a brown 1x3 rounded part with a pin hole and 2 pins into the leftmost front-facing holes so the pin hole faces the front. It should sit to the right of the wedge plate! Then repeat symmetrically to the back.

48. Horizontally place a dark green 1x2 ingot tile on the front row, above the front-facing side studs so it sits to the left of the 1x3 inverted sloped curved brick. Then horizontally place a dark green 1x2 angled sloped curved tile to the left so the angled side faces the front and it slopes and overhangs to the left. Then repeat both parts symmetrically to the back.

49. Vertically place a light grey 1x2 rounded plate on the 10th column from the left so it is centered vertically.

50. Horizontally place a lime green 2x2 plate with 1x4 angled sides, to the left of the ppp so it is centered vertically and the studs are on the left. Then horizontally place a lime green 2x4 plate to the left so it is centered vertically.

51. Vertically place a dark grey 1x3 plate with a stud and 2 clips on the 10th column from the left so it is centered vertically. Then place a light grey 1x1 round plate on top.

Group 5 - Pull-Back Race Car

There are no steps in this group. You will have 2 extra lime green 1x2 plates. Save them for later!

Group 6 - Pull-Back Race Car

52.1. Let’s make 2 identical parts! Vertically place a green 1x2 plate in front of you. Then horizontally place 2 lime green 1x1 plates with a 1x1 slope tile, 1 in front of the other, underneath the 1x2 plate so they slope to the right.

52.2. Horizontally place a green 2x4 sloped curved tile with a sticker on top so it slopes and overhangs 3 columns to the left.

52.3. Skip this step if you have already placed your sticker! Ask a helper to place sticker 1 on the green 2x4 sloped curved tile. This sticker has green scales and a gold core on it. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

52.4. Vertically place a lime green 1x2 plate from group 5 underneath the 3rd column from the left so it is centered vertically.

52.5. Now you should have 2 identical parts! Horizontally place 1 upright on the front-facing side studs so the 2x4 sloped curved tile slopes and overhangs 1 column to the right. Then repeat symmetrically to the back.

53. Vertically place a green 1x2 jumper plate on the 9th column from the left so it is centered vertically. Then horizontally place a green 2x4 tile to the left so it is centered vertically.

54.1. Horizontally place a green 2x4 sloped curved tile with a sticker on the 4 leftmost columns so it is centered vertically and slopes to the left.

54.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 2 on the green 2x4 sloped curved tile. This sticker has green scales and a gold and light blue core on it. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

55. Horizontally place a lime green 1x2 sloped curved tile to the left of the steering wheel so it sits on the 1x2 jumper plate and 1x1 round plate and slopes to the left.

56. Flip your car upside down so it is horizontal and the 1x12 brick with holes is on the right. Now place 2 dark grey 2x2 round inverted tiles with rounded bottom, 1 in front of the other, on the 2 leftmost columns of anti-studs so they are centered vertically. Now vertically place 2 more, 1 in front of the other, to the right of the 2x2 gap. They should sit in between a 2x2 gap and 2x4 gap and be centered vertically!

Building Instructions (Bag 2, Book 1):

Group 7 - Dragonian Warrior

Sub-build 2. Locate a red pair of legs printed with dark grey armor, 1 red torso printed with dark grey armor, 1 dark grey neck armor with 2 studs, 1 red head printed with eyes and large teeth, 1 dark red skull helmet, 2 black fangs, and 1 silver sword. Assemble your minifigure and then attach the helmet to his head so the bar holes face the back. Now insert the black fangs into the bar holes! Also make sure the studs of the neck armor face the back. Then attach the sword to his hand!

Sub-build 3. Let’s make a part! Place 2 red 2x2 dishes in front of you. Then place a transparent orange flame on top of each of them! Now put everything away while we continue building the car!

Group 8 - Pull-Back Race Car

57. Flip your car over so it is right side up, horizontal, and the 1x12 brick with holes is on the left. Now insert the long side of a blue 3L pin into the top right front-facing hole of the motor so the pin faces the front and back. Then insert another 1 to the left so the pin faces the front and back.

58.1. Let's make 2 identical parts! Horizontally place a 3L pin connector with an axle connector in front of you so the pin holes are on the left and face the front and back. Now insert a red 2L axle into the top-facing axle connector.

58.2. Now you should have 2 identical parts! Horizontally attach the pin holes of 1 part to the top right front-facing pins so the axle is on the right and faces up. Then repeat symmetrically to the back.

59. Horizontally attach the axle hole of a long gold curved blade with an axle to the front axle of the ppp so the blade is on the left and curves to the front, and the axle faces the right. Now attach a gold 1x1 cone brick upright on the right-facing axle of the ppp. Then repeat both parts symmetrically to the back.

Group 9 - Pull-Back Race Car

60.1. Let's make a part! Vertically place a light grey pin connector with an axle in front of you so the axle faces the back and the pin connector is in the front and faces left and right.

60.2. Horizontally insert a dark grey 2L pin with a 1L axle into the left-facing hole so the pin faces the right. Then attach a light grey 2L pin connector to the right-facing pin.

60.3. Attach a transparent green lightning bolt with an axle connector to the left-facing axle so the lightning bolt is in the front and faces the right. Now attach the back-facing axle to the front-facing axle hole that is on the left side, below the 2x4 tile.

61. Repeat all of step 60 symmetrically to the back. Then make sure your car is horizontal and the 1x12 brick with holes faces the left.

62. Let's make a part! Horizontally place a lime green 5L angled sloped curved wing with an axle connector and 2 pin holes in front of you so the axle hole faces the right and the pinholes are on the left and face the front. Make sure the sloped curved wing is on top. Then insert 2 black 2L pins into the front-facing holes.

63. Horizontally insert a light grey 5L axle into the right-facing axle connector.

Group 10 - Pull-Back Race Car

64.1. Let's make a part! Vertically place a lime green 2L axle and pin connector in front of you so the pin hole is in the back and faces left and right. Then horizontally insert the short side of a blue 3L pin into the right-facing hole so the 2L pin faces the right.

64.2. Vertically attach 2 more lime green 2L axle and pin connectors to the right-facing pin so the axle holes are in the front and face left and right.

64.3. Now horizontally attach the left-facing axle connector of your part to the right-facing axle of your previous part so the part with the pinholes face the back.

65. Horizontally attach a lime green 5L angled sloped curved wing with an axle connector and 2 pin holes to the right-facing axle so the sloped curved wing is on top and the pin holes are on the right and face the front.

66. Insert 2 black 2L pins into the front-facing holes of the ppp.

67. Vertically attach the 4 pins of your part to the left-facing pin holes of the 1x12 brick of your main build so it is centered vertically. Make sure the wing part is on top and it slopes to the left.

68. Insert a blue 2L pin axle into the leftmost front-facing hole that is right above the ppp so the axle faces the front. Now attach a gold blade with an angled tip to the front-facing axle of the ppp so the tip faces the right. Now repeat both parts symmetrically to the back.

69. Insert a black 12L axle into the rightmost front-facing hole of the 1x3 rounded part with 2 pins and a pin hole so it is centered vertically to the build.

70. Insert a light grey 1L bushing into the front of the ppp. Then repeat symmetrically to the back. Make sure they go all the way in and the 12L axle is centered vertically.

71. Locate 2 lime green wheels and 2 larger black tires. Now attach the wheels to the tires, then attach them to the front and back of the 12L axle so the smooth side faces outwards.

72. Attach a black 3L disk with an axle hole to the front of the 12L axle. Then repeat symmetrically to the back.

73. Insert a black 12L axle into the leftmost front-facing hole of the 1x3 rounded part with 2 pins and a pin hole so it is centered vertically to the build.

74. Insert a light grey 1L bushing into the front of the ppp. Then repeat symmetrically to the back. Make sure they go all the way in and the 12L axle is centered vertically.

75. Locate 2 lime green wheels and 2 smaller black tires. Now attach the wheels to the tires, then attach them to the front and back of the 12L axle so the smooth side faces outwards.

76. Attach a black 3L disk with an axle hole to the front of the 12L axle. Then repeat symmetrically to the back. Now you can pull your car back and make it zoom forward!

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, there are no ads.