

72045 Mario Kart – Shy Guy & P-Wing

Adapted by Arturo and tested by Natalie Charbonneau.

Drive, drift, glide, launch shells and more with this LEGO® Super Mario™: Mario Kart™ toy building set for kids (72045). A fun birthday gift idea for boys, girls and any gamers aged 7 years old and up, the set features a Shy Guy figure and a brick-built recreation of a P-Wing with a shell-launching function, Standard Tires and a detachable Plane Glider. There is also a Banana element to throw at rival karts! Slide the driver's seat forward to fit LEGO® Mario™, LEGO® Luigi™ or LEGO® Peach™ toy figure (from sets 71439, 71440, 71441 or 72043 – sold separately) in the kart for interactive play, triggering Mario Kart sound and visual effects for race-starting, drifting, gliding and more.

The packaging captures the speedy, colorful action of a Mario Kart race, with Shy Guy driving the P-Wing through a bright course scene filled with items and motion. The front of the box shows the completed white, red, black, yellow, and dark purple P-Wing kart angled as if it is racing forward, with Shy Guy seated in the cockpit and the detachable Plane Glider raised above the kart for flying action. The kart has a rounded white body with red accents, yellow wheels, black tires, a dark purple driver's area, exhaust details at the back, and a shell launcher built into the front. The green shell, red shell, and yellow banana peel are arranged around the kart like Mario Kart items ready to be used during a race. The background shows a cheerful Mario Kart course with a blue sky, green hills, road markings, and racing scenery, making the P-Wing feel like it is speeding through an outdoor track rather than being shown as a static model. On the top left corner, we have the classic LEGO logo, followed by the Super Mario logo, and the Mario Kart branding nearby. Along the front, the set information is also visible, including the age rating, set number, and piece count. The box also highlights that interactive play is possible with the interactive figures of Mario, Luigi, or Peach, which are sold separately and are not included in the set. The left of the box continues the colorful LEGO Super Mario visual style, with branding elements and side-panel artwork connected to the Mario Kart theme, showing the P-Wing from another angle and keeping the same race-course energy as the front. The back of the box shows another view of the finished P-Wing and Shy Guy, now focusing more clearly on the play features. Namely, small inset images highlight the main functions, including placing Shy Guy in the cockpit, driving and drifting, attaching the glider for aerial action, launching the green and red shells from the front shooter, and using the sliding driver's seat to fit an interactive Mario, Luigi, or Peach figure (from other sets for digital reactions). On the top left corner, we have the LEGO logo. The right side of the box has a warning in several different languages that states that the set contains small parts and it is therefore not recommended for children younger than 3 years old. The top of the box has the classic LEGO logo, the name of the set in several other languages, an image of Shy Guy, and an image of Shy Guy's face on a 1:1 scale. The bottom of the box is a tidy strip that contains the barcode as well as a few technical bits: the LEGO logo, Super Mario, Nintendo, and Mario Kart copyright and trademark information, the set number, recycling information, and other packaging notices.

Welcome to Text-Based Building Instructions from Bricks for the Blind. Here is some helpful information on how to best use screen readers and browsers: bricksfortheblind.org/help-with-screen-readers. Before you start building, here are some terms we will 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.
- Hollow stud: a bump on a LEGO brick with a hole, which allows attaching bars.
- "Anti-stud" is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Left/right wedge parts: these are parts that when placed in front of you and are pointing to the back, their wedge is on the left/right side of the part.
- 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 may accept axles or pins. They also come in a variety of shapes, including tees, ell's 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

Additionally, it is worth mentioning that besides the printed visual instructions that come with each kit, a PDF version for the set's instructions is always available online at [\[https://www.lego.com/en-us/service/building-instructions/72045\]](https://www.lego.com/en-us/service/building-instructions/72045). This might help a sighted building partner that may want to follow along or low vision users that 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 3 numbered bags and 1 instruction booklet. Sort the pieces into groups as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split across two 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.

This build is 249 pieces and 73 building steps. The set has 1 sticker sheet and a total of 12 stickers a sighted person will need to help with.

Book 1, bag 1 (7 groups of bricks)
Shy Guy, P-Wing

Group 1: pages 6-12
Group 2: steps 1-7
Group 3: steps 8-10
Group 4: steps 11-15
Group 5: steps 16-20
Group 6: steps 21-27
Group 7: steps 28-31

Book 1, bag 2 (5 groups of bricks)
P-Wing

Group 8: steps 32-35
Group 9: steps 36-41
Group 10: steps 42-45
Group 11: steps 46-51
Group 12: steps 52-56

Book 1, bag 3 (3 groups of bricks)
P-Wing's glider, Glider connector, projectile shells, and banana peel

Group 13: steps 57-62
Group 14: steps 63-69
Group 15: steps 70-73

Building Instructions

Book 1, bag 1:

Group 1 – Shy Guy

Pages 6-12

Place 1 red 2x3 rounded plate with 2 feet in front of you, so that its feet face to the front. Then, place 1 red 2x3 plate horizontally on top of the ppp. Next, place 1 dark brown 2x3 plate with 1x1 cutout horizontally on top of the ppp, so that its cutout faces to the front. Place 1 pearl gold 1x1 plate in the front row, so that it is centered horizontally. Continue by placing 1 red 2x3 plate horizontally on top.

Then, place 1 red 1x3 plate horizontally on the back row of the ppp. Locate 2 red 1x1 plates. Place the first one in front of the leftmost column of the ppp. Take the second one and repeat symmetrically on the right. Place 1 tan 1x1 brick with side stud on the back row, so that it is centered horizontally and its side stud faces to the back. Find 2 red 1x2 bricks with pin hole. Place the first one vertically on the leftmost column, so that its pin hole faces to the left. Take the second one and repeat symmetrically on the right. Insert 1 dark bluish gray pin with stud into the pin hole of each of the 2 ppps. Place 1 medium nougat 2x3 plate with 1x1 cutout horizontally on the top of the build, so that its cutout faces to the front. Then, place 1 light bluish gray 1x1x1 2/3 brick on the front row, so that it is centered horizontally and its side studs face to the front.

Attach 1 red 2x2 round tile with the code for “Shy Guy” to the back-facing side studs. Ask a sighted friend to make sure that the ppp is oriented correctly. Place 2 red 1x1 plates, one in front of the other, on the middle column. Then, place 1 black 1x2 rounded plate with open studs vertically on top of the 2 ppps. Grab 2 red 1x2 curved slope bricks. Place the first one vertically to the left of the ppp, so that it slopes to the left. Take the second one and repeat symmetrically on the right. Place 1 red 1x1 plate on the front row.

Locate 3 red 1x2 curved slope tiles. Place the first one vertically behind the ppp, so that it slopes and it overhangs to the back by 1 row. Rotate the second one so that its antistuds face to the right and it slopes to the back. Attach its back row to the left-facing side stud. Take the last one and repeat symmetrically on the right. Lastly, attach 1 white 3x3 round tile with large black oval eyes upright to the front-facing side studs, so that it is centered horizontally and vertically. Ask a sighted friend to make sure that the ppp is oriented correctly. The Shy Guy is complete!

Group 2 – P-Wing

Step 1

Let's begin with building the P-Wing. Place 1 black 6x8 plate horizontally in front of you.

Step 2

Locate 2 red 2x6 plates. Place the first one vertically on the 2 leftmost columns. Take the second one and repeat symmetrically on the right. Place 2 black 2x10 plates vertically, one to the right of the other, between the 2 ppps, so that they overhang to the front and to the back by 2 rows.

Step 3

Find 2 tan 1x6 plates. Place the first one horizontally under the 2nd overhanging row from the back. Take the second one and repeat symmetrically on the front. Grab 4 dark turquoise 1x1 round plates. Place the first one on the leftmost column of the ppp. Take the second one and repeat symmetrically on the right. Take the remaining 2 and repeat symmetrically on the back.

Step 4.1

We need to assemble a small sub-build. Place 1 dark bluish gray 2x6 brick with 2x4 cutout and axle holes horizontally in front of you, so that its axle holes face to the left and right. Locate 2 tan pin axles. Insert the axle of the first one into the left-facing axle hole of the ppp, so that its pin protrudes to the left. Take the second one and repeat symmetrically to the right.

4.2 Place 1 black 2x2 plate on the front row, so that it is centered horizontally and it overhangs to the front by 1 row.

4.3 Place 1 black 1x4 plate horizontally under the overhang of the ppp, so that it has 1 exposed column to the left and 1 exposed column to the right.

4.4 Find 2 black 2x2 corner plates. Rotate the first one so that it resembles a J in Braille. Place its front right corner on top of the leftmost column of the ppp. Take the second one and repeat symmetrically on the right.

4.5 Grab 2 white 1x2 plates with door rail. Place the first one horizontally on the front row of the ppp, so that its door rail faces to the front. Take the second one and repeat symmetrically on the left, so that its door rail also faces to the front. Lastly, place 1 black 1x2 rounded plate with open studs horizontally between the 2 ppps.

4.6 The sub-build is complete. Rotate it 180 degrees on the horizontal plane so that its door rails face to the back. Bring back the main build, so that it is vertically in front of you. Attach the main build's back row on top of the sub-build's front row, so that it is centered horizontally.

Step 5

Locate 2 light bluish gray 1x2 rounded plates with open studs. Place the first one vertically on the 2nd column from the left of the 2nd and 3rd rows from the back. Take the second one and repeat symmetrically on the right. Rotate 1 yellow 2x4 tile vertically. Place its 2 back rows between the 2 ppps.

Step 6

Place 1 white 1x2 plate with door rail horizontally behind the ppp, so that its door rail faces to the back. Find 2 black 1x3 plates. Rotate the first one vertically. Place its back row to the left of the ppp. Take the second one and repeat symmetrically on the right.

Step 7

Grab 2 white 1x1 plates with 1x1 upright side studs. Place the first one to the right of the back row of the ppp, so that its side stud faces to the back. Take the second one and repeat symmetrically on the left. Locate 2 black 1x1 quarter round tiles. Attach the first one to the side stud of the ppp, so that its curved edge faces to the left and to the bottom. Take the second one and repeat symmetrically on the right.

Group 3 – P-Wing (continued)

Step 8

Place 1 black 2x2 tile with the code for "Start" on the 6th and 7th rows from the front, so that it is in front of the 2x4 tile and it is centered horizontally. Find 2 red 2x4 plates. Rotate the first one vertically. Place its two front rows to the left of the ppp. Take the second one and repeat symmetrically on the right. Grab 2 white 1x2 rounded plates with open studs. Place the first one vertically to the right of the 2 middle rows of the ppp. Take the second one and repeat symmetrically on the left.

Step 9

Locate 2 light bluish gray 2x2 corner plates. Rotate the first one so that it resembles a D in Braille. Place it on the 4th and 5th rows from the back on the 2nd and 3rd columns from the left, on top of the back right corner of one of the 2x4 plates from the previous step. Take the second one and repeat symmetrically on the right.

Step 10.1

We need to assemble a small sub-build. Place 1 black 1x4 brick with pin holes horizontally in front of you, so that its pin holes face to the front. Insert 1 black 2L pin into the leftmost and rightmost pin holes of the ppp, so that they protrude to the front by 1L.

10.2 Attach 1 light bluish gray wheel to each of the 2 ppps. These are the P-Wing's exhaust pipes.

10.3 The sub-build is complete. Attach it horizontally on the back row, so that it is centered horizontally and the 2 ppps face to the back.

Group 4 – P-Wing (continued)

Step 11

Find 2 light bluish gray 1x4 plates. Place the first one vertically in front of the leftmost column of the ppp. Take the second one and repeat symmetrically on the right. Grab 2 lime 1x2 grille tiles. Place the first one vertically on the 2 back rows of the ppp. Take the second one and repeat symmetrically on the left. Locate 2 light bluish gray 1x2 rounded plates with open studs. Place the first one vertically in front of the ppp. Take the second one and repeat symmetrically on the right.

Step 12

We need to assemble a sub-build. Place 1 black 1x3 plate vertically in front of you. Then, place 1 red 1x1 plate on top of the middle row of the ppp.

Step 13

Place 1 white 1x2 jumper plate horizontally in front of the ppp, so that it overhangs slightly to the left and to the right.

Step 14

Place 1 dark bluish gray 1x2 plate with locking finger on short edge vertically on top of the 2 front rows, so that its locking finger faces to the back. Then, place 1 light bluish gray 1x2 rounded plate with open studs vertically on top of the ppp.

Step 15

Place 1 dark blue 1x1 tile on the back row of the ppp. Then, place 1 white 1x2 jumper plate horizontally in front of the ppp, so that it overhangs slightly to the left and to the right.

Group 5 – P-Wing (continued)

Step 16

Place 1 black 1x2 plate with 2x2 upright side studs horizontally on top of the ppp, so that its side studs face to the back.

Step 17

Place 1 white 1x2 log brick horizontally on top of the ppp. Then, place 1 red 1x2 tile horizontally on top of the ppp.

Step 18

Flip the sub-build 90 degrees from back to front, so that the ppp faces to the front and its locking finger faces to the top. Then, place 1 light bluish gray 1x4 plate horizontally on top of the front row, so that it overhangs to the left and to the right by 1 column.

Step 19

The sub-build is complete. Bring back the main build, so that its exhaust pipes face to the back. Place the sub-build on top of the yellow 2x4 tile, behind the black 2x2 tile with code. The sub-build's column overhanging to the left should attach to the front row of 1 light bluish gray 1x2 rounded plate with open studs located on the 5th row from the back on the 3rd column from the left, while its column overhanging to the right should attach symmetrically on the right.

Step 20

Place 1 red 1x4 tile horizontally on the 5th row from the front, so that it is centered horizontally. Find 2 light bluish gray 1x2 jumper plates. Place the first one horizontally in front of the 2 leftmost columns of the ppp. Take the second one and repeat symmetrically to the right. Grab 2 light bluish gray 1x2 rounded plates with open studs. Rotate the first one vertically. Place its front row to the right of the ppp. Take the second one and repeat symmetrically on the left.

Group 6 – P-Wing (continued)

Step 21

We need to assemble a sub-build for the front of the P-Wing. Place 1 dark bluish gray 4x4 round plate in front of you, so that its studs form rows and columns. Then, place 1 tan 1x6 plate horizontally under the 2nd row from the back of the ppp, so that it has 1 column exposed to the left and 1 column exposed to the right.

Step 22

Place 1 black 2x2 plate under the 2 front rows, so that it is centered horizontally and is in front of the ppp.

Step 23

Rotate 1 dark bluish gray 2x6 brick with axle holes and 2x4 cutout horizontally. Place its front row under the row overhanging to the back of the sub-build. Then, locate 2 tan 1L axles with pin. Insert the axle of the first one into the left-facing axle hole of the ppp, so that its pin protrudes to the left. Take the second one and repeat symmetrically on the right.

Step 24

Find 2 black 3x3 plates with cut corner. Rotate the first one so that its right angle faces to the back and to the right. Attach its back right corner under the overhang on the front left of the 4x4 round plate. Take the second one and repeat symmetrically on the right.

Step 25

Grab 2 black 2x2 corner tiles with cut corner. Rotate the first one so that its cut corner faces to the front right. Attach it to the 2 front rows of the ppp. Take the second one and repeat symmetrically on the left. Locate 2 red 2x2 corner plates. Rotate the first one so that it resembles a J in Braille. Place its rightmost column behind the leftmost column of the ppp. Take the second one and repeat symmetrically on the right.

Step 26

Place 2 light bluish gray 1x3 double jumper plates horizontally, one to the right of the other, on the 3rd row from the back, so that together they are centered horizontally. Then, place 1 lime 1x2 grille tile horizontally in front of the 2 ppps, so that it is centered horizontally.

Step 27

The sub-build is complete. Bring back the main build, so that it is vertical and its exhaust pipes face to the back. Attach the back row of the sub-build under the row overhanging to the front of the main build.

Group 7 – P-Wing (continued)

Step 28

Place 1 yellow 2x4 tile horizontally on the 5th and 6th rows from the front, so that it is centered horizontally on the cutout of the 2x6 brick with axle holes and 2x4 cutout. Then, place 1 medium azure 2x2 tile behind the ppp, so that it is centered horizontally. Find 2 dark bluish gray 2x2 tiles with 2 studs. Place the first one to the left of the ppp, so that its studs face to the left. Take the second one and repeat symmetrically on the right.

Step 29

Place 1 dark turquoise 1x1 round plate on the front row of the rightmost column of the ppp. Take the second one and repeat symmetrically on the left. Grab 2 light bluish gray 1x6 tiles. Rotate the first one vertically. Place its 3rd row from the back to the right of the ppp. Take the second one and repeat symmetrically on the right.

Step 30

Locate 2 white 1x4 slope bricks. Rotate the first one vertically, so that it slopes to the back. Place its 2 front rows 2 columns to the right of the 2 back rows of the ppp, on the rightmost column. Take the second one and repeat symmetrically on the left. Find 2 white 1x1 plates. Place the first one on top of the ppp. Take the second one and repeat symmetrically on the right.

Step 31

Find 2 black 1x4 bricks. Rotate the first one vertically. Place its front row to the left of the ppp. Take the second one and repeat symmetrically on the left. Grab 2 white 2x2 bricks. Place the rightmost column of the first one behind the ppp. Take the second one and repeat symmetrically on the right.

Group 8 – P-Wing (continued)

Step 32

Locate 2 white 2x4 bricks with mudguards hanging down. Place the first one vertically behind the ppp, so that its mudguard faces to the right. Take the second one and repeat symmetrically on the left.

Step 33

Place 1 white 1x8 plate horizontally on top of the front row of the 2 ppps.

Step 34

Find 2 white 1x2 curved slope tiles. Rotate the first one so that it slopes to the front. Place its back row on the 2nd column from the left of the ppp. Take the second one and repeat symmetrically on the right. Then, place 2 dark blue 1x2 jumper plates horizontally, one to the right of the other, between the back rows of the 2 ppps.

Step 35

Stack 2 red 1x2 plates and place them horizontally in front of the 2 ppps, so that they are centered horizontally. Grab 2 black 1x1 tiles with 1x1 slope tile. Rotate the first one horizontally so that it slopes to the left. Place its rightmost column on top of the leftmost column of the 2 ppps. Take the second one and repeat symmetrically on the right.

Group 9 – P-Wing (continued)

Step 36

Rotate the build 180 degrees on the horizontal plane, so that its exhaust pipes face to the front. Locate 2 white 1x1 plates with 1x2 side studs hanging down. Place the first one on the front left corner, so that its side studs face to the front. Take the second one and repeat symmetrically on the right. Find 2 transparent red 1x1 plates. Attach the first one upright to the top row of front-facing side studs of the ppp. Take the second one and repeat symmetrically on the left. Grab 2 transparent red 1x2 curved slope tiles. Rotate the first one so that it is vertically upright, its antistuds face to the back and it slopes to the bottom. Attach its top row to the ppp. Take the second one and repeat symmetrically on the right.

Step 37.1

We need to assemble two identical small sub-builds. You can choose to build them simultaneously or one at a time. Let's begin with the first one. Place 1 transparent red 1x1 plate in front of you. Then, place 1 white 1x3 tile vertically on top of the ppp, so that it overhangs to the back by 2 rows.

37.2 Place 1 white 1x3 plate vertically under the overhang of the ppp, so that it has 1 row exposed to the back.

37.3 The sub-build is complete. Attach its 3 back rows to the 3 front rows of the leftmost columns. Notice that the sub-build's front row (with the 1x1 transparent red plate) will not be attached to anything and will just rest on top of the top of the transparent red 1x2 curved slope tile and 1x1 plate.

37.4 If you chose to build them separately, assemble a second sub-build by repeating steps 37.1 and 37.2. Attach it symmetrically on the right.

Step 38

Locate 2 white 1x4 curved slope tiles. Rotate the first one vertically, so that it slopes to the back. Attach its front row to the back row of the sub-build from the previous step. Take the second one and repeat symmetrically on the left.

Step 39

Find 2 black 1x4 plates. Rotate the first one vertically. Place its back row to the right of the front row of the ppp, so that it overhangs to the front by 1 row. Take the second one and repeat symmetrically on the right. Locate 4 white 1x2 slope tiles. Place the first 2 vertically, one in front of the other, on top of the ppp, so that they slope to the left. Take the remaining 2 and repeat symmetrically on the left.

Step 40

Place 2 white 1x2 jumper plates horizontally, one to the right of the other, on top of the studded row on the front.

Step 41.1

We need to assemble 2 identical sub-builds. You can choose to build them simultaneously or one at a time. Let's begin with the first one. Place 1 red 1x2 plate with 1x4 upright spoiler vertically in front of you, so that its spoiler faces to the left. Then, place 1 light bluish gray 1x2 rounded plate vertically on top of the ppp.

41.2 Place 1 red 1x4 tile vertically on top of the ppp, so that it overhangs to the front and to the back by 1 row.

41.3 The sub-build is complete. Attach its overhanging row to the front on top of the jumper plate located on the left of the front row.

41.4 If you chose to assemble the sub-builds separately, build a second one by repeating steps 41.1 and 41.2. Attach it symmetrically on the right.

Group 10 – P-Wing (continued)

Step 42

Rotate the build 180 degrees on the horizontal plane, so that its exhaust pipes face to the back. Locate 2 white 2x4 bricks with mudguards hanging down. Rotate the first one vertically, so that its mudguard faces to the left. Place its leftmost column behind the leftmost column of the 1x2 plate located on the left of the 3rd row from the front. Take the second one and repeat symmetrically on the right.

Step 43

Find 2 white 2x2 corner tiles with cut corner. Rotate the first one so that its cut corner faces to the back and to the right. Place its front row on top of the back right corner of the ppp. Take the second one and repeat symmetrically on the left. Grab 2 white 1x4 tiles with 2 studs. Place the first one vertically behind the rightmost column of the ppp. Take the second one and repeat symmetrically on the right.

Step 44

Place 1 white 2x6 plate horizontally on the 6th and 7th rows from the front (so that its back row sits between the front rows of the 2x2 corner tiles with cut corner from the previous step) so that it is centered horizontally. Then, place 1 tan 1x6 plate horizontally in front of the ppp.

Step 45

Place 2 white 1x4 rounded plates with 2 open studs horizontally, one to the right of the other, behind the ppp, so that together they are centered horizontally. Then, place 1 dark blue 1x2 jumper plate horizontally behind the 2 ppps, so that it is centered horizontally. Locate 2 black 1x1 plates. Place the first one to the left of the ppp. Take the second one and repeat symmetrically on the right.

Group 11 – P-Wing (continued)

Step 46.1

We need to assemble a small sub-build. Place 1 dark bluish gray 3x3 plate in front of you. Then, place 1 yellow 1x2 plate with handle on short edge vertically under the 2 back rows of the ppp, so that it is centered horizontally and its handle faces to the back.

46.2 Place 1 white 1x3 plate vertically in front of the ppp, so that it has 2 exposed rows to the front.

46.3 Place 1 dark bluish gray 2x3 plate horizontally on top of the exposed rows of the ppp, so that it is centered horizontally and it overhangs to the left and to the right by 1 column.

46.4 Find 2 black 1x3 tiles. Rotate the first one vertically. Place its 2 front rows on top of the leftmost column of the ppp. Take the second one and repeat symmetrically on the right. Then, place 1 red 1x4 tile vertically between the 2 ppps, so that its front edge is flush.

46.5 The sub-build is complete. Bring back the main build, so that its exhaust pipes face to the back. Slide the sub-build into the front-facing open end of the P-Wing, so that its vertical plates underneath slide between the 2 light bluish gray vertical 1x6 tiles located on the floor of the cart on the 3rd column from the left and the 3rd column from the right. Slide it as far as possible.

Step 47

Grab 4 white 1x1 bricks with side stud and lip. Place the first 2 on top of the 2 leftmost columns of the 3rd row from the front, so that its side studs face to the front. Take the remaining 2 and repeat symmetrically on the right.

Step 48

Place 1 black 1x2 brick with side studs horizontally on the 2nd row from the front, so that it is centered horizontally and its side studs face to the front.

Step 49

Rotate 1 white 2x4 curved slope tile vertically, so that it slopes to the front. Attach its front row to the top of the ppp. We need to apply sticker 3 (a red square with the Shy Guy logo, which is comprised of his white round face with 2 black oval eyes and 1 small black circular mouth) to the ppp. Ask a sighted friend to make sure that the sticker is applied correctly.

Step 50

Rotate 1 white 1x4x1 2/3 curved slope tile horizontally upright, so that its side studs face to the back and it slopes to the left. Attach its rightmost column to the leftmost front-facing side stud. We need to apply sticker 7 (a white rectangle with light the headlights of the car in black surrounded by a light aqua decoration) to the ppp. Ask a sighted friend to make sure that the sticker is applied correctly.

Step 51

Rotate 1 white 1x4x1 2/3 curved slope tile horizontally upright, so that its side studs face to the back and it slopes to the right. Attach its leftmost column to the rightmost front-facing side stud. We need to apply sticker 6 (a white rectangle with light the headlights of the car in black surrounded by a light aqua decoration, which is a mirrored version of the sticker from the previous step) to the ppp. Ask a sighted friend to make sure that the sticker is applied correctly.

Group 12 – P-Wing (continued)

Step 52

Locate 2 white 2x4 curved slope tiles. Rotate the first one vertically, so that it slopes to the front. Place it to the left of the red 2x4 curved slope tile located in the middle of the 2nd to the 5th rows from the front. Take the second one and repeat symmetrically on the right. Then, place 1 white 1x4 left wedge tile vertically to the right of the ppp, so that it slopes to the front. Continue by placing 1 white 1x4 right wedge tile symmetrically on the left.

Since we have tiled the front part of the car, we will start counting rows from the studded 1x8 surface behind the ppps from the previous step.

Step 53

Place 1 black 1x1 round plate with handle on the 2nd row from the front, so that it is centered horizontally and its handle faces to the back. Next, attach 1 black steering wheel to the handle of the ppp, so that it faces to the back.

Step 54

Rotate 1 dark purple 3x4 curved wedge slope tile so that it is vertical and it slopes to the front. Place its back row on top of the 2nd row from the front, so that it is centered horizontally.

Step 55

Insert the handle of 1 white stud shooter into the open stud on the leftmost column of the front row, so that its open end faces to the front. Then, insert 1 dark bluish gray trigger vertically into the ppp, so that its thick tab is to the back.

Step 56.1

We need to assemble 4 identical sub-builds for the P-Wing's tires. You can choose to build them simultaneously or one at a time. Let's begin with the first one. Place 1 light bluish gray 2x2 round plate with axle hole in front of you. Then, place 1 yellow 2x2 round tile on top of the ppp.

56.2 We need to apply sticker 4 (a yellow circle with a black cross in the middle) to the ppp. Ask a sighted friend to make sure that the sticker is applied correctly.

56.3 Attach the sub-build on top of 1 black tire.

56.4 The sub-build is complete. Rotate it upright, so that its 2x2 round tile faces to the right. Slide it onto the front right-facing pin.

56.5 If you chose to build them separately, assemble 3 more sub-builds by repeating steps 56.1 to 56.3. Attach them to the rest of the P-Wing's free pins located on the front left, back left, and back right.

Book 1, bag 3

Group 13 – P-Wing's glider

Step 57

Let's build the P-Wing's glider. Place 1 white 1x5 rounded plate with 4 studs and axle hole horizontally in front of you.

Step 58

Find 2 white 2x2 inverted rounded tiles with rounded bottom. Attach the first one under the 2 leftmost columns of the ppp, so that it has 1 row exposed to the front. Take the second one and repeat symmetrically on the right.

Step 59

Place 1 white 1x5 plate horizontally on the front row, on top of the 2 ppps.

Step 60

Grab 2 white 2x6 plates. Place the first one horizontally on top of the 2 leftmost columns, so that it overhangs to the left by 4 columns. Take the second one and repeat symmetrically on the right.

Step 61

Place 1 white 1x2 plate vertically under the front row, so that it is centered horizontally and it has 1 row exposed to the front. Then, place 1 white 1x2 plate vertically on top of the ppp, so that it overhangs to the front by 1 row. Lastly, rotate 1 white 1x2 inverted curved slope tile vertically, so that it slopes to the front. Attach its back row under the overhang of the ppp.

Step 62

Place 1 white 1x5 plate vertically between the 2 white 2x6 plates, so that it is centered horizontally and it overhangs to the back by 3 rows. Place 1 white 1x1 plate on the back row of the ppp. Then, place 1 white 1x1 plate with handles on opposite sides in front of the ppp, so that its handles face to the left and right. Next, place 1 white 1x2 plate vertically in front of the ppp. Lastly, place 1 white 1x4 tile vertically on top of the 3 ppps. This is the tail of the glider.

Group 14 – P-Wing's glider (continued)

Step 63

Place 1 white 1x3 plate horizontally in front of the ppp, so that it is centered horizontally. Then, place 1 white 1x5 plate horizontally in front of the ppp, so that it is centered horizontally and it overhangs to the left and to the right by 2 columns.

Step 64

Locate 2 white 2x2 corner tiles. Rotate the first one so that its right angle faces to the front left. Place its front row on top of the 2 leftmost columns of the ppp. Take the second one and repeat symmetrically on the right. Find 2 coral 1x2 tiles. Rotate the first one horizontally. Place its rightmost column behind the rightmost column of the ppp. Take the second one and repeat symmetrically on the left.

Step 65

Place 1 white 1x4 curved slope tile vertically on the 4 front rows, so that it is centered horizontally and it slopes to the front. We need to apply sticker 5 (a white rectangle with a coral vertical triangle and 6 dark bluish gray screws) to the ppp. Ask a sighted friend to make sure that the sticker is applied correctly.

Step 66

Find 2 coral 1x6 tiles. Place the first one horizontally on the 4 leftmost columns of the 4th row from the back, so that it overhangs to the left by 2 columns. Take the second one and repeat symmetrically on the right. Place 1 white 2x6 right wedge plate horizontally in front of the ppp, so that it points and it overhangs to the right by 2 columns. Take 1 white 2x6 left wedge plate and repeat symmetrically on the left.

Step 67

Locate 2 white 2x2 round tiles. Place the front row of the first one on top of the 2nd and 3rd column from the left of the back row of the ppp. Take the second one and repeat symmetrically on the right.

Step 68

We need to apply sticker 8 (a white circle with Shy Guy's logo) to each of the 2 ppps. Ask a sighted friend to make sure that the stickers are applied correctly.

Step 69

Find 2 white 2x2 trapezoid flags with clips. Rotate the first one so that its angled side faces to the front and to the left and its clips face to the right. Attach its front clip to the left-facing handle on the glider's tail. We need to apply sticker 2 (a white trapezoid with a coral strip) to the ppp. Take the second one and repeat symmetrically on the right. We need to apply sticker 1 (a white trapezoid with a coral strip, a mirrored version of the previous one) to the ppp. Ask a sighted friend to make sure that the stickers are applied correctly. Angle the 2 ppps upwards slightly.

Group 15 – Glider connector, projectile shells, and banana peel

Step 70

Let's build the glider connector. Hold 1 dark bluish gray 2L axle connector with locking fingers vertically upright, so that its locking fingers are vertical. Then, insert 1 light bluish gray 7L axle into the top axle hole of the ppp. Continue by attaching 1 light bluish gray double angled axle connector to the top of the ppp, so that its angled connector faces to the front and to the top. Lastly, insert 1 red 2L axle into the free connector of the ppp, so that it protrudes to the top.

Insert the ppp into the axle hole located underneath the glider, so that the axle connector with locking fingers faces to the front and to the bottom.

Step 71

The glider is complete. Attach its locking fingers to the locking fingers located approximately on the 4th row from the back of the P-Wing.

Step 72

Let's assemble the P-Wing's projectile shells. Locate 1 bright green and 1 red 2x2 shell with launch attachment. Attach 1 tan 2x2 inverted round tile with rounded bottom to the bottom of each of the 2 ppps. Then, you can insert the shells' attachment into the projectile launcher of the P-Wing and fire them by pressing the tab. Be careful not to aim or shoot them at anyone's face!

Step 73

You can complete the driver's item arsenal with the yellow banana peel.

The build is complete! Place Shy Guy behind the steering wheel and have fun having him drive his P-Wing anywhere! As advertised at the end of the instructions, if you have any of the interactive figures (Mario, from sets 71439 or 72043; Luigi, from set 71440; or Peach, from set 71441), you can slide the base forward so that they can interact with the P-Wing's code so that they can produce matching sounds.

At the end of the instructions you will also find a page advertising 3 other Mario Kart sets: 72039 (Bowser's Castle), 72038 (Wario & King Boo), and 72045 (Shy Guy & P-Wing, this set). Afterwards, you will find the set inventory and on the last page you will find an invitation to share feedback.

Thank you so much for building this set!

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!

We hope you enjoyed building your LEGO set! Bricks for the Blind is 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!